Date: Mon, 28 Mar 94 04:30:09 PST
From: Ham-Ant Mailing List and Newsgroup <ham-ant@ucsd.edu>
Errors-To: Ham-Ant-Errors@UCSD.Edu
Reply-To: Ham-Ant@UCSD.Edu
Precedence: Bulk
Subject: Ham-Ant Digest V94 #82
To: Ham-Ant

Ham-Ant Digest Mon, 28 Mar 94 Volume 94 : Issue 82

Today's Topics:
Attic Dipole

Send Replies or notes for publication to: <Ham-Ant@UCSD.Edu>
Send subscription requests to: <Ham-Ant-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Ant Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-ant".

Date: 28 Mar 94 01:14:33 GMT
From: agate!howland.reston.ans.net!newsserver.jvnc.net!yale.edu!noc.near.net!
news.delphi.com!BIX.com!hamilton@ucbvax.berkeley.edu
Subject: Attic Dipole
To: ham-ant@ucsd.edu

Troyce@bio.tamu.edu (Troyce) writes:

>Living in a duplex, I can't put an outside antenna up, so I have been
>considering designs involving hiding a dipole in the attic. I have about
>50 feet of length to work with. Right now I am considering a trap dipole
>for 10-80 meters, 82' long. This would entail running 50 feet straight
>across the peak of the attic roof, then sloping down 16 feet on each end.
>I know this is certainly not an optimum configuration, but is it still a
>viable method? If the bend ends are a big problem, I do have the
>alternative of a 45 foot 10-40 meter dipole, but would like the option of
>80 meter use (for when I upgrade to general from Tech plus).

The one thing I'd worry about would be the amount of RF you'd have inside
the building. There's more and more concern these days about possible
health effects. See, for example, the article in this month's QST
("Electromagnetic Fields and Your Health", Apr 1994, pp 56-59). Here's

a quote from that article:

> Exercise particular care when using indoor antenna, including those mounted in attics, because in some situations they can generate substantial RF fields. As much as possible, try to locate indoor antennas as far from people as possible. Use low power (10 W output or less), and keep your transmissions short when someone might be near the antenna.

Regards,
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End of Ham-Ant Digest V94 #82
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